

GROUND-WATER LEVELS

CITY OF NEWPORT NEWS

371208076341106. Local number, 58F 55 SOW 171F.

LOCATION.--Lat 37°12'08", long 76°34'11", Hydrologic Unit 02080206, 0.4 mi southeast of the intersection of State Highways 143 and 238 and 150 ft north of State Highway 143 in the city of Newport News. Owner: Virginia Department of Environmental Quality.

AQUIFER.--Cornwallis Cave aquifer of Pliocene-Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in., depth 60 ft, screened 50 to 60 ft.

INSTRUMENTATION.--Digital recorder--60-minute punch.

DATUM.--Elevation of land-surface datum is 55 ft above sea level, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.

REMARKS.--Missing record due to recorder malfunction. Water level affected by occasional pumpage for water-quality sampling.

PERIOD OF RECORD.--June 1984 to current year. Unpublished records available prior to October 1986 in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 23.04 ft below land-surface datum, May 21-24, 1993; lowest recorded, 29.12 ft below land-surface datum, Oct. 29, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
LOWEST DAILY VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.60	27.89	27.75	27.61	24.78	---	---	---	24.65	25.44	26.26	27.05
10	27.72	27.82	27.76	27.61	24.63	---	---	---	24.79	25.56	26.38	27.15
15	27.81	27.80	27.78	27.63	24.64	---	---	---	24.91	25.70	26.55	27.27
20	27.79	27.82	27.80	27.38	24.34	---	---	24.14	25.05	25.83	26.71	27.39
25	27.88	27.81	27.77	27.21	24.07	---	---	24.30	25.19	25.96	26.87	27.50
EOM	27.90	27.81	27.64	26.40	24.01	---	---	24.46	25.28	26.10	26.97	27.63

WATER YEAR 1998 HIGHEST INSTANTANEOUS a23.99 FEB 28, MAR 02-03, 1998
LOWEST INSTANTANEOUS 27.90 OCT 30-NOV 01, 1997

a May have gone higher during period of missing record.

